

(11) Publication number:

62235975 A

## PATENT ABSTRACTS OF JAPAN

Generated Document

(21) Application number: 61078095

(22) Application date: 07.04.86

(30) Priority:

(43) Date of application publication:

(84) Designated contracting states:

16.10.87

(71) Applicant: CANON INC

(51) Intl. Cl.: G03G 15/04

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## (54) LIGHT QUANTITY CONTROL DEVICE

(57) Abstract:

control of the quantity of a laser beam PURPOSE: To reduce an error at the step and then comparing the quantity fixed time for converging a transient of detected light with the delay of a by changing a laser current by one phenomenon.

detected by a detecting photodiode 8, CONSTITUTION: The quantity of a beam outputted from a laser 1 is

01 W09 of the MPU14 are changed by selected out of plural reference values SIWS3 and a signal corresponding to adjusted. If the values of output ports and amplifiers 19, 21, the quantity of the MPU14. The output signal is D/A current/ voltage converting circuit 18 aser 1 through transistors 22, 25, 26, the reference value is outputted from converging the transient variation of constant current circuit 20 through a with light quantity switching signals arithmetically amplified 13 and then so that quantity of the laser beam is driving currents of the converter 15 stored in a ROM14-2 in accordance to control the driving current of the one bit, the current of the laser I is A/D converted in a microprocessor ncreased like steps, and after the compared with a reference value converted 15 and supplied to a passage of a waiting time for MPU14, the digital signal is the laser beam is detected

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